

1. A system for facilitating user thinking about an arbitrary problem, comprising:
 - first logic to facilitate user specification of the problem to populate a problem statement structure;
- 5 second logic to facilitate user specification of a conclusion, related to the problem specification, to populate a conclusion statement structure;
- 10 third logic to facilitate user creation and specification of knowledge, related to at least one of the problem specification and the conclusion specification, to populate a knowledge structure;
- 15 2. The system of claim 1 wherein the user specification of knowledge includes the user specification of data and wherein the knowledge structure is a data structure to hold data.
- 20 3. The system of claim 1 wherein the user specification of knowledge includes the user specification of information and wherein the knowledge structure is an information structure to hold information.
- 25 4. The system of claim 1 wherein the user specification of knowledge includes the user specification of analysis and wherein the knowledge structure is an analysis structure to hold analysis.
- 30 5. The system of claim 1 further including fourth logic to facilitate user specification of at least one subtopic statement, related to the problem, to populate a corresponding at least one subtopic statement structure to disaggregate the problem into related subtopics, and wherein the control logic

persuades user interactions with the first through fourth logic to a sequence of interactions within a predefined set of interaction sequences.

6. The system of claim 5 further including fifth logic to facilitate user specification of at least one meaning statement, related to a corresponding at least one problem or subtopic statement, to populate a corresponding at least one meaning statement structure, and wherein the control logic persuades user interactions with the first through fifth logic to a sequence of interactions within a predefined set of interaction sequences.

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7. The system of claim 2 wherein the specification of knowledge includes text specification.

8. The system of claim 2 wherein the specification of knowledge includes at least one of graphic, image, or drawing specification.

9. The system of claim 3 wherein the specification of information includes text specification.

20 10. The system of claim 3 wherein the specification of information includes at least one of graphic, image, or drawing specification.

11. The system of claim 4 wherein the specification of analysis includes text specification.

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12. The system of claim 4 wherein the specification of analysis includes at least one of graphic, image, or drawing specification.

13. The system of claim 5 wherein the specification of at least one subtopic 30 includes text specification.

14. The system of claim 5 wherein the specification of at least one subtopic includes at least one of graphic, image, or drawing specification.
15. The system of claim 6 wherein the specification of at least one meaning statement includes text specification.
16. The system of claim 6 wherein the specification of at least one meaning statement includes at least one of graphic, image, or drawing specification.
- 10 17. The system of claim 1 wherein the control logic includes logic to cause a presentation to the user, including depiction of suggested next steps for the user.
- 15 18. The system of claim 1 wherein the control logic includes logic to cause a view presentation to the user, wherein the view presentation includes a subset of the problem specification, conclusion specification, and knowledge specification, and includes a depiction of relationships therebetween.
- 20 19. The system of claim 6 wherein the control logic includes logic to cause a view presentation to the user, wherein the view presentation includes a subset of the problem specification, conclusion specification, knowledge specification, at least one subtopic statement specification, and meaning statement specification, and includes a depiction of relationships therebetween.
- 25 20. The system of claim 1 further including logic to present to the user at least a subset of content of the problem statement structure, the conclusion statement structure, and the knowledge structure.

21. The system of claim 20 wherein the logic to present includes logic to depict relationships among content of the problem statement structure, the conclusion statement structure, and the knowledge structure.

5 22. The system of claim 21 wherein the logic to depict relationships includes logic to depict hierarchical relationships.

23. The system of claim 22 wherein the logic to present depicts all relationships among the problem statement structure, the conclusion
10 statement structure, and the knowledge structure.

24. The system of claim 23 wherein the logic to present includes logic to present user controls to create at least one new problem statement structure, conclusion statement structure, or knowledge structure.

15 25. The system of claim 23 wherein the logic to present includes logic to present user controls to modify at least one of the problem statement structure, the conclusion statement structure, and the knowledge structure.

20 26. The system of claim 20 wherein the logic to present includes logic to present structures all of similar type.

27. The system of claim 26 wherein the logic to present includes logic to present user controls to modify or create at least one of the problem statement
25 structure, the conclusion statement structure, and the knowledge structure.

28. The system of claim 20 wherein the logic to present includes logic to present an individual structure only.

29. The system of claim 28 wherein the logic to present includes logic to present user controls to modify or create at least one of the problem statement structure, the conclusion statement structure, and the knowledge structure.

5 30. The system of claim 1 wherein the control logic includes logic to provide suggestion feedback to the user of next steps for a user to take, wherein the logic to provide is responsive to prior user interactions.

31. The system of claim 30 wherein the logic to provide suggestion

10 feedback includes logic to perform gap analysis on the at least a subset of the problem statement structure, the conclusion statement structure, the knowledge structure, and the relations therebetween to suggest next steps for the user to create or populate structures identified from the gap analysis.

15 32. The system of claim 31 wherein the logic to perform gap analysis includes logic to analyze linkages among the at least one of the problem statement structure, the conclusion statement structure, and the knowledge structure to detect gaps.

20 33. The system of claim 31 wherein the logic to provide suggestion feedback includes filtering logic to determine whether to provide suggestion feedback based on the state of development of the user interactions.

34. The system of claim 30 wherein the logic to provide suggestions

25 includes content analysis logic to analyze content entered by the user to determine relevant suggestions for next steps to the user.

35. The system of claim 34 wherein the content analysis logic parses user entry to determine if the entry corresponds to a predefined set of phrases.

36. The system of claim 30 wherein the logic to provide suggestions includes relationship analysis logic to identify suggestions of next steps according to predefined relationship criteria.

5 37. The system of claim 30 wherein the logic to provide suggestions includes logic to present suggestions for next steps to the user in a visually distinctive manner.

38. The system of claim 37 wherein the logic to present suggestions for
10 next steps to the user presents user controls in emphasis.

39. The system of claim 37 wherein the logic to present suggestions for next steps to the user presents workspace controls to activate a workspace corresponding to suggested next steps in proximity to a current workspace.

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40. The system of claim 30 wherein the logic to provide suggestion feedback includes logic to provide content analysis of at least one of the problem statement structure, the conclusion statement structure, and the knowledge structure.

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41. The system of claim 1 wherein the archetype model structure is specified in a set of rules specifying relationships among the problem structure, conclusion statement structure, and knowledge structure.

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